EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	424	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L2	265	700/164.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L3	417	700/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L4	1846	700/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L5	326	700/186.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L6	316	700/187.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L7	1265	318/560.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05

L8	1511	318/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L9	1127	318/568.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L10	6907	L1 L2 L3 L4 L5 L6 L7 L8 L9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L11	14	L10 and (synchron$9 with (axis axes)) and (table with coordinate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
L12	14	L10 and (synchron$9 with (axis axes)) and (table with coordinate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:10
L13	10	L10 and (synchron$9 with (axis axes)) and (segment with (identif $9 ID number))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:19
L14	187	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:26
L15	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:26

L16	4	(L14 L15) and (synchron $9 with (axis axes)) and (virtual with axis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:26
S1	808	(holder and parameter $7 and synchron$7 and virtual and axis and tool)	US-PGPUB; USPAT	OR	ON	2008/03/27 11:11
S2	2	(holder and parameter $7 and synchron$7 and virtual and axis and tool).clm.	US-PGPUB; USPAT	OR	ON	2008/03/27 11:11
S3	2707	tool and axis and (synchron$7 with axis)	US-PGPUB; USPAT	OR	ON	2008/03/27 11:45
S4	47	tool and axis and (synchron$7 with axis) and parameteriz$7	US-PGPUB; USPAT	OR	ON	2008/03/27 12:08
S5	14	tool and axis and (synchron$7 with axis) and (parameteriz$7 with axis)	US-PGPUB; USPAT	OR	ON	2008/03/27 12:21
S6	807	tool and axis and (synchron$7 with axis) and machining	US-PGPUB; USPAT	OR	ON	2008/03/27 12:39
S7	26	(synchron$7 with axis) and machining and ((multiaxis (multi adj axis)) with tool)	US-PGPUB; USPAT	OR	ON	2008/03/27 12:44
S8	31	(synchron$7 with (axis axes)) and machining and ((multiaxis (multi adj axis)) with tool)	US-PGPUB; USPAT	OR	ON	2008/03/27 13:17
S9	46	(synchron$7 with (axis axes)) and machining and (multiaxis (multi adj axis)) not S7	US-PGPUB; USPAT	OR	ON	2008/03/27 13:21
S10	1484	(synchron$7 with (axis axes)) and machining	US-PGPUB; USPAT	OR	ON	2008/03/27 14:06
S11	68	(synchron$7 with (axis axes)) and machining and ((computer with aided) $4CAD)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:15
S12	137	(synchron$7 with (axis axes)) and machining and ((computer with aided) $4CAD virtual)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:16

S13	70	(synchron$7 with (axis axes)) and machining and ((computer with aided) $4CAD virtual) and (((plurality plural multi multiple) with axis) multiaxis)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:24
S14	39	(synchron$7 with (axis axes) with position$4) and machining and ((computer with aided) $4CAD virtual) and (((plurality plural multi multiple) with axis) multiaxis)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:30
S15	2	("5604677" | "6489741").PN.	US-PGPUB; USPAT	OR	ON	2008/03/27 17:24
S16	1	("5604677" | "6489741").PN. and synchron$9	US-PGPUB; USPAT	OR	ON	2008/03/27 17:25
S17	0	(at least one virtual axis which can be parameterized as a guiding axis for other axes and then serves only for the synchronization of these other axes, characterized in that on the data carrier or the electronic carrier signal there is at least one data structure which has a data field which allows the parameterization of the virtual axis as a guiding axis for other axes). clm.	US-PGPUB; USPAT	AND	ON	2008/03/27 19:17
S18	0	(at least one virtual axis which can be parameterized as a guiding axis for other axes and then serves only for the synchronization of these other axes, characterized in that on the data carrier the electronic carrier signal there is at least one data structure which	US-PGPUB; USPAT	AND	ON	2008/03/27 19:18

		has a data field which allows the parameterization of the virtual axis as a guiding axis for other axes). clm.				
S19	1	"4176396".pn.	US-PGPUB; USPAT	OR	ON	2008/07/25 13:04
S20	174	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:52
S21	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:53
S22	7	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in. and (machine adj tool)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:55
S23	13	(synchron$9 with (axis axes)) and (position$4 with tool same machining) and ((open and closed) with loop)	US-PGPUB; USPAT	OR	ON	2008/10/21 11:40
S24	35	(synchron$9 with (axis axes)) and machining and ((open and closed) with loop)	US-PGPUB; USPAT	OR	ON	2008/10/21 11:48
S25	22	S24 not S23	US-PGPUB; USPAT	OR	ON	2008/10/21 11:48
S26	37	(synchron$9 with (axis axes)) and machining and ((open and closed) with loop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 12:54
S27	24	(synchron$9 with (axis axes)) and machining and polynomial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:00

S28	19	(synchron$9 with (axis axes)) and machining and polynomial not S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:01
S29	999	(synchron$9 with (axis axes)) and machining and (("5" five fifth) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:09
S30	8	(synchron$9 with (axis axes)) and machining and (("5" five fifth) with (axis axes)) and polynomial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:21
S31	8	(synchron$9 with (axis axes)) and machining and (parameteriz$7 with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:29
S32	27	(synchron$9 with (axis axes)) and machining and (freely with select $5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:36
S33	12	(synchron$9 with (axis axes)) and machining and (freely with select $5 same (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:37
S34	15	S32 not S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:53
S35	28	(synchron$9 with (axis axes)) and machining and polynomial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:03

S36	1054	(synchron$9 with (axis axes)) and machining and (circle circular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:17
S37	79	(synchron$9 with (axis axes)) and machining and (circle circular) and ((virtual digital soft) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:21
S38	35	(synchron$9 with (axis axes)) and machining and (circle circular) and ((virtual soft) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:22
S39	325	(synchron$9 with (axis axes)) and machining and (circle circular) and ((virtual soft guid$4) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:22
S40	25	((synchron$9 with (axis axes)) same ((virtual soft) with (axis axes))) and machining	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:35
S41	12	((synchron$9 with (axis axes)) same ((virtual soft) with (axis axes))) and machining and (virtual adj (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:51
S42	7	("5930142" "6868304" "7030586" "20040164698").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 16:06
S43	7	("4672549" | "4761891" | "5844191" | "5868051" | "6217409" | "6687566" | "6755748").PN.	US-PGPUB; USPAT	OR	ON	2010/03/04 14:49
S44	2	S43 and (grinding with (wheel and slide))	US-PGPUB; USPAT	OR	ON	2010/03/04 14:53

S45	424	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:00
S46	265	700/164.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S47	417	700/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S48	1845	700/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S49	326	700/186.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S50	316	700/187.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S51	1265	318/560.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S52	1511	318/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01

S53	1127	318/568.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S54	6906	S45 S46 S47 S48 S49 S50 S51 S52 S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:03
S55	1230	("20" "21") and (grinding with (wheel and slide))	US-PGPUB; USPAT	OR	ON	2010/03/04 15:05
S56	186	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:05
S57	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:05
S58	2	(S56 S57) and (grinding with (wheel and slide))	US-PGPUB; USPAT	OR	ON	2010/03/04 15:05
S59	5	S54 and (polynomial with (6th sixth))	US-PGPUB; USPAT	OR	ON	2010/03/04 15:27
S60	424	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S61	265	700/164.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S62	417	700/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28

S63	1845	700/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S64	326	700/186.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S65	316	700/187.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S66	1265	318/560.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S67	1511	318/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S68	1127	318/568.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S69	6906	S60 S61 S62 S63 S64 S65 S66 S67 S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S70	275	S69 and (circ$4 with radius)	US-PGPUB; USPAT	OR	ON	2010/03/05 10:28
S71	103	S69 and (circ$4 with radius) and (rotat$4 with direction)	US-PGPUB; USPAT	OR	ON	2010/03/05 10:34
S72	13	S69 and ((circ$4 with radius) same (rotat$4 with direction))	US-PGPUB; USPAT	OR	ON	2010/03/05 10:47

| S73 | 5 | S69 and ((circ$4 with radius) same (rotat$4 with direction) same (center centre)) | US-PGPUB; USPAT | OR | ON | 2010/03/05 10:54 |

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	206	700/164.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
L18	800	700/182.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
L19	310	700/187.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
L20	1268	17 18 19	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
L21	0	(synchron$9 and axis and guiding and virtual and machining).as.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:30
L22	6	(synchron$9 and axis and guiding and virtual and machining).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:31
L23	2	(synchron$9 and axis and guiding and virtual and machining and tool and workpiece).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:31

3/8/10 9:33:24 PM
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